

# FREE SCHOOL OF NURSING PAST QUESTION And Answers Ebook.

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<b>Mathematics</b>	<b>20</b>
<b>Biology</b>	<b>20</b>
<b>Chemistry</b>	<b>20</b>
<b>Physics</b>	<b>20</b>
<b>Current Affairs</b>	<b>20</b>

## **FIRST YEAR**

**Time allowed: 1 hour**

- Do not open your question booklets until you are told to do so.
- The examination consists of six sections labelled A to F. All the questions irrespective of the sections carry equal mark.
- Section A- English language 20 questions Section B- mathematics 20 questions Section C- Biology 20 questions Section D- chemistry 15 questions Section E – Physics 15 questions Section F – Current affairs 10 questions
- Answer all questions appropriately
- Use the answer sheet provided
- Use HB pencil to shade the correct answer for each question. Ensure that any shading made in error is thoroughly erased.
- Write your **NAME, EXAMINATION NUMBER** and other needed information in the appropriate space with the same number or letter as each digit or letter.
- Any candidate caught cheating in the course of the examination will be duly penalized.
- The interview date will be made known to the public as soon as possible.

## **Section A**

### **English Language – 20 Past Questions & Answers**

1. **Choose the correct synonym for the word “Rapid”:**
  - A. Slow
  - B. Fast ✓
  - C. Late
  - D. Delay
2. **Fill in the blank: The children were playing \_\_\_\_\_ the rain.**
  - A. on
  - B. under
  - C. in ✓
  - D. into
3. **Choose the correctly punctuated sentence:**
  - A. Where are you going, John? ✓
  - B. Where are you, going John?

- C. Where, are you going John?  
D. Where are you going John
4. **Identify the adjective: "She wore a beautiful dress."**  
A. She  
B. Wore  
C. Beautiful ✓  
D. Dress
5. **What is the plural of "analysis"?**  
A. Analysises  
B. Analysi  
C. Analyses ✓  
D. Analysis
6. **Select the correct antonym of "Generous":**  
A. Kind  
B. Stingy ✓  
C. Loving  
D. Honest
7. **Pick the correct spelling:**  
A. Recomendation  
B. Recomendation  
C. Recommendation ✓  
D. Reccomendation
8. **Which sentence is grammatically correct?**  
A. He go to school every day.  
B. He goes to school every day. ✓  
C. He gone to school every day.  
D. He going to school every day.
9. **What part of speech is the word "quickly"?**  
A. Adjective  
B. Noun  
C. Verb  
D. Adverb ✓
10. **Choose the correct sentence:**  
A. Neither of them are coming.  
B. Neither of them is coming. ✓  
C. Neither of them were coming.  
D. Neither are coming.
11. **Complete the sentence: If I \_\_\_\_\_ you, I would study hard.**  
A. am  
B. was  
C. were ✓  
D. be
12. **Identify the verb in the sentence: "The baby cries loudly."**  
A. Baby  
B. Cries ✓  
C. Loudly  
D. The

13. Find the antonym of "Harsh":  
A. Rough  
B. Cruel  
C. Gentle ✓  
D. Bitter
14. Choose the correct phrase: I am looking forward \_\_\_\_ my exams.  
A. for  
B. to ✓  
C. at  
D. on
15. Select the sentence with the correct use of tense:  
A. She had went to school.  
B. She has gone to school. ✓  
C. She have gone to school.  
D. She gone to school.
16. Which of the following is a synonym of "benevolent"?  
A. Hostile  
B. Kind ✓  
C. Greedy  
D. Rude
17. Choose the correct form of the verb: The girls \_\_\_\_ singing when I arrived.  
A. is  
B. were ✓  
C. was  
D. had
18. Identify the noun in this sentence: "Honesty is the best policy."  
A. Best  
B. Policy  
C. Honesty ✓  
D. Is
19. What is the opposite of "Scarce"?  
A. Abundant ✓  
B. Few  
C. Rare  
D. Limited
20. Fill in the blank: I will wait here \_\_\_\_ you return.  
A. unless  
B. until ✓  
C. since  
D. because

## Section B

### Mathematics – 20 Past Questions & Answers

1. What is the value of  $7 + 8 \times 2$ ?

A. 30

- B. 23 ✓  
C. 22  
D. 15
2. **What is the square root of 144?**  
A. 10  
B. 11  
C. 12 ✓  
D. 14
3. **Simplify:  $\frac{2}{5} + \frac{1}{2} = ?$**   
A.  $\frac{4}{10}$   
B.  $\frac{9}{10}$  ✓  
C.  $\frac{3}{7}$   
D.  $\frac{3}{10}$
4. **Convert 0.75 to a fraction:**  
A.  $\frac{3}{4}$  ✓  
B.  $\frac{2}{3}$   
C.  $\frac{1}{2}$   
D.  $\frac{1}{4}$
5. **What is 20% of 80?**  
A. 20  
B. 16 ✓  
C. 8  
D. 24
6. **Find the next number in the sequence: 2, 4, 8, 16, \_\_\_\_**  
A. 20  
B. 24  
C. 30  
D. 32 ✓
7. **If  $x + 4 = 10$ , what is the value of x?**  
A. 5  
B. 6 ✓  
C. 4  
D. 10
8. **Find the perimeter of a square with side 7cm:**  
A. 14cm  
B. 28cm ✓  
C. 21cm  
D. 49cm
9. **What is the mean of 3, 5, 7, 9, and 11?**  
A. 7 ✓  
B. 5  
C. 9  
D. 8
10. **Evaluate:  $6^2 - 4^2 = ?$**   
A. 20  
B. 36  
C. 12

D. 20 ✓

11. Find the value of  $3x$  when  $x = 4$ :

A. 7

B. 12 ✓

C. 9

D. 1

12. If  $a = 2$  and  $b = 3$ , what is  $a^2 + b^2$ ?

A. 13 ✓

B. 12

C. 10

D. 9

13. Convert  $\frac{3}{4}$  to a decimal:

A. 0.5

B. 0.75 ✓

C. 0.25

D. 1.25

14. Find the area of a triangle with base 6cm and height 4cm:

A.  $24\text{cm}^2$

B.  $12\text{cm}^2$  ✓

C.  $10\text{cm}^2$

D.  $14\text{cm}^2$

15. Simplify:  $5x - 2x + 3 = ?$

A.  $3x + 3$  ✓

B.  $7x$

C.  $2x + 3$

D.  $5x$

16. What is 15% of 200?

A. 35

B. 30

C. 25

D. 30 ✓

17. If a man spends  $\frac{3}{5}$  of his salary, what fraction remains?

A.  $\frac{3}{5}$  ✓

B.  $\frac{2}{5}$

C.  $\frac{1}{2}$

D.  $\frac{4}{5}$

18. Divide 120 by 6 and multiply by 3:

A. 60

B. 40

C. 80 ✓

D. 100

19. Find the simple interest on ₦2,000 for 2 years at 5% per annum:

A. ₦200 ✓

B. ₦100

C. ₦150

D. ₦250

20. What is the product of 9 and 8?

- A. 64
- B. 81
- C. 72 ✓
- D. 69

## Section C

### Biology – 20 Past Questions & Answers

1. Which of the following is the basic unit of life?
  - A. Atom
  - B. Organ
  - C. Cell ✓
  - D. Tissue
2. What is the function of the red blood cells?
  - A. To fight infections
  - B. To transport oxygen ✓
  - C. To produce hormones
  - D. To digest food
3. Which organ is responsible for pumping blood throughout the body?
  - A. Liver
  - B. Heart ✓
  - C. Lung
  - D. Kidney
4. Photosynthesis occurs in which part of the plant?
  - A. Root
  - B. Stem
  - C. Leaf ✓
  - D. Flower
5. Which of the following organisms is a producer?
  - A. Lion
  - B. Mushroom
  - C. Grass ✓
  - D. Dog
6. The process of breakdown of food into simpler substances is called?
  - A. Respiration
  - B. Digestion ✓
  - C. Circulation
  - D. Assimilation
7. Which part of the human brain controls breathing and heartbeat?
  - A. Cerebellum
  - B. Cerebrum
  - C. Medulla oblongata ✓
  - D. Pons
8. The structural unit of the kidney is called?
  - A. Neuron
  - B. Nephron ✓

- C. Alveoli
  - D. Ureter
9. Which of the following diseases is caused by a virus?
- A. Malaria
  - B. Tuberculosis
  - C. Measles ✓
  - D. Cholera
10. What is the main function of white blood cells?
- A. Oxygen transport
  - B. Clotting of blood
  - C. Fighting infections ✓
  - D. Nutrient absorption
11. The largest organ in the human body is the?
- A. Liver
  - B. Brain
  - C. Skin ✓
  - D. Heart
12. Which gas is used during photosynthesis?
- A. Oxygen
  - B. Nitrogen
  - C. Carbon dioxide ✓
  - D. Hydrogen
13. What organ is responsible for filtering blood in the body?
- A. Liver
  - B. Heart
  - C. Kidney ✓
  - D. Lung
14. Which of these is a characteristic of living things?
- A. Boiling
  - B. Combustion
  - C. Respiration ✓
  - D. Reflection
15. Which human organ helps in the digestion of fats?
- A. Liver ✓
  - B. Kidney
  - C. Pancreas
  - D. Stomach
16. Which type of reproduction involves only one parent?
- A. Sexual
  - B. Asexual ✓
  - C. Cross-breeding
  - D. Genetic
17. What part of the cell contains genetic material?
- A. Cell wall
  - B. Cytoplasm
  - C. Nucleus ✓
  - D. Vacuole



18. What is the name of the pigment that makes plant leaves green?
- A. Hemoglobin
  - B. Melanin
  - C. Chlorophyll ✓
  - D. Keratin
19. What is the function of enzymes in digestion?
- A. Destroy bacteria
  - B. Transport nutrients
  - C. Speed up chemical reactions ✓
  - D. Absorb water
20. Which of these is a sexually transmitted infection?
- A. Diabetes
  - B. Gonorrhea ✓
  - C. Cholera
  - D. Typhoid

## Section D

### Chemistry – 20 Past Questions & Answers

1. **Which of the following is a noble gas?**
- A. Oxygen
  - B. Nitrogen
  - C. Argon ✓
  - D. Hydrogen
2. **The atomic number of an element is equal to the number of:**
- A. Neutrons
  - B. Electrons ✓
  - C. Nucleons
  - D. Isotopes
3. **Which of the following is a compound?**
- A. Air
  - B. Water ✓
  - C. Hydrogen
  - D. Oxygen
4. **What is the pH of a neutral solution?**
- A. 0
  - B. 7 ✓
  - C. 10
  - D. 14
5. **Which of the following is a chemical change?**
- A. Melting of ice
  - B. Boiling of water
  - C. Rusting of iron ✓
  - D. Breaking of glass
6. **Which gas is evolved when metals react with acids?**
- A. Oxygen
  - B. Carbon dioxide

- C. Hydrogen ✓  
D. Nitrogen
7. **What type of bond is formed by the sharing of electrons?**  
A. Ionic  
B. Metallic  
C. Covalent ✓  
D. Van der Waals
8. **Which of the following is a base?**  
A. HCl  
B. NaOH ✓  
C. H<sub>2</sub>SO<sub>4</sub>  
D. CH<sub>3</sub>COOH
9. **The formula for sodium chloride is:**  
A. NaCl ✓  
B. NaCO<sub>3</sub>  
C. NaO  
D. Na<sub>2</sub>Cl
10. **Which of the following is used as a drying agent?**  
A. Water  
B. Sulphuric acid ✓  
C. Ethanol  
D. Acetone
11. **A catalyst is a substance that:**  
A. Stops a chemical reaction  
B. Slows down a reaction  
C. Speeds up a reaction without being used up ✓  
D. Becomes part of the products
12. **The periodic table is arranged in order of increasing:**  
A. Mass number  
B. Atomic mass  
C. Atomic number ✓  
D. Valency
13. **Which gas turns limewater milky?**  
A. Hydrogen  
B. Oxygen  
C. Carbon dioxide ✓  
D. Nitrogen
14. **Which of these is an example of an acid?**  
A. NaCl  
B. HNO<sub>3</sub> ✓  
C. CaCO<sub>3</sub>  
D. NH<sub>3</sub>
15. **What is the common name for H<sub>2</sub>O<sub>2</sub>?**  
A. Water  
B. Hydrogen gas  
C. Hydrogen peroxide ✓  
D. Hydroxide
16. **In which state of matter do particles have the most energy?**  
A. Solid  
B. Liquid  
C. Gas ✓  
D. Plasma
17. **What is the chemical symbol for Potassium?**  
A. P

- B. Pt
  - C. Po
  - D. K ✓
18. **What happens during oxidation?**
- A. Gain of electrons
  - B. Loss of electrons ✓
  - C. Gain of protons
  - D. Loss of neutrons
19. **What color does blue litmus turn in acid?**
- A. Red ✓
  - B. Blue
  - C. Green
  - D. Yellow
20. **What is the molar mass of water (H<sub>2</sub>O)?**
- A. 10 g/mol
  - B. 18 g/mol ✓
  - C. 20 g/mol
  - D. 22 g/mol

## Section E

### Physics – 20 Past Questions & Answers

1. **The instrument used to measure current is called:**
- A. Voltmeter
  - B. Thermometer
  - C. Ammeter ✓
  - D. Barometer
2. **What is the unit of force?**
- A. Joule
  - B. Newton ✓
  - C. Pascal
  - D. Watt
3. **Which of the following is a vector quantity?**
- A. Speed
  - B. Mass
  - C. Velocity ✓
  - D. Distance
4. **The rate of doing work is called:**
- A. Energy
  - B. Force
  - C. Power ✓
  - D. Pressure
5. **What does a fuse do in an electric circuit?**
- A. Increases current
  - B. Prevents overload ✓
  - C. Acts as a capacitor
  - D. Generates power
6. **Heat transfer through a solid material is called:**
- A. Convection
  - B. Radiation

- C. Conduction ✓
  - D. Reflection
7. **The ability of a body to do work is called:**
- A. Force
  - B. Energy ✓
  - C. Mass
  - D. Power
8. **What type of mirror is used in car side mirrors?**
- A. Concave
  - B. Plane
  - C. Convex ✓
  - D. None of the above
9. **The S.I. unit of pressure is:**
- A.  $\text{N/m}^2$  ✓
  - B.  $\text{J/s}$
  - C.  $\text{W/m}$
  - D.  $\text{kg/m}^3$
10. **What is the speed of light in a vacuum?**
- A.  $3 \times 10^8 \text{ m/s}$  ✓
  - B.  $1 \times 10^6 \text{ m/s}$
  - C.  $2.5 \times 10^8 \text{ m/s}$
  - D.  $3 \times 10^6 \text{ m/s}$
11. **Which law states that "action and reaction are equal and opposite"?**
- A. Boyle's Law
  - B. Hooke's Law
  - C. Newton's Third Law ✓
  - D. Ohm's Law
12. **Which of these is a scalar quantity?**
- A. Displacement
  - B. Acceleration
  - C. Force
  - D. Temperature ✓
13. **What is the formula for density?**
- A.  $\text{Mass} \times \text{Volume}$
  - B.  $\text{Mass} \div \text{Volume}$  ✓
  - C.  $\text{Volume} \div \text{Mass}$
  - D.  $\text{Force} \div \text{Area}$
14. **Sound cannot travel through:**
- A. Water
  - B. Solid
  - C. Air
  - D. Vacuum ✓
15. **What is the function of a transformer?**
- A. To convert AC to DC
  - B. To store electrical energy
  - C. To change voltage level ✓
  - D. To generate current
16. **In which direction does heat flow?**
- A. Cold to hot
  - B. Hot to cold ✓
  - C. Upward only
  - D. Randomly
17. **The bending of light as it passes from one medium to another is called:**
- A. Reflection

- B. Dispersion
  - C. Refraction ✓
  - D. Scattering
18. **What does Ohm's Law state?**
- A.  $V = IR$  ✓
  - B.  $P = IV$
  - C.  $F = ma$
  - D.  $E = mc^2$
19. **An object is in equilibrium when:**
- A. It is at rest only
  - B. Net force acting on it is zero ✓
  - C. It is moving at increasing velocity
  - D. It is rotating
20. **The unit of work is:**
- A. Watt
  - B. Joule ✓
  - C. Newton
  - D. Volt

## Section F

### Current Affairs in Nigeria – 20 Past Questions & Answers

1. **Which year did Nigeria gain independence?**
  - A. 1957
  - B. 1958
  - C. 1960 ✓
  - D. 1963
2. **What is the capital of Nigeria?**
  - A. Lagos
  - B. Abuja ✓
  - C. Kano
  - D. Ibadan
3. **How many states are in Nigeria?**
  - A. 30
  - B. 36 ✓
  - C. 32
  - D. 34
4. **Who was Nigeria's first Prime Minister?**
  - A. Nnamdi Azikiwe
  - B. Tafawa Balewa ✓
  - C. Yakubu Gowon
  - D. Obafemi Awolowo
5. **What does EFCC stand for?**
  - A. Economic and Financial Crime Commission ✓
  - B. Economic and Fiscal Control Council
  - C. Emergency Financial Crime Council
  - D. Electoral and Fiscal Control Committee
6. **Who is the current Minister of Health?**
  - A. Dr. Osagie Ehanire
  - B. Prof. Ali Pate ✓

- C. Babatunde Fashola
- D. Prof. Zulum
- 7. **Which Nigerian was the first African to win the Nobel Prize in Literature?**
  - A. Chinua Achebe
  - B. Wole Soyinka ✓
  - C. Ben Okri
  - D. Chimamanda Adichie
- 8. **What is Nigeria's currency called?**
  - A. Dollar
  - B. Naira ✓
  - C. Pound
  - D. Cedi
- 9. **Who is the current Chief of Army Staff (2025)?**
  - A. Lt. Gen. Faruk Yahaya
  - B. Maj. Gen. Taoreed Lagbaja ✓
  - C. Gen. Lucky Irabor
  - D. Brig. Gen. Danjuma Ali
- 10. **Which is the highest court in Nigeria?**
  - A. Appeal Court
  - B. Supreme Court ✓
  - C. High Court
  - D. Magistrate Court
- 11. **What is the name of the national anthem of Nigeria?**
  - A. Arise O Compatriots ✓
  - B. Nigeria My Country
  - C. Green Land
  - D. O God of Creation
- 12. **Which state is known as the "Centre of Excellence"?**
  - A. Kano
  - B. Lagos ✓
  - C. Abuja
  - D. Oyo
- 13. **When was the Nigerian Civil War fought?**
  - A. 1960–1963
  - B. 1967–1970 ✓
  - C. 1972–1975
  - D. 1956–1959
- 14. **Who is the current Governor of the Central Bank of Nigeria?**
  - A. Godwin Emefiele
  - B. Olayemi Cardoso ✓
  - C. Sanusi Lamido
  - D. Pat Utomi
- 15. **What is the tenure of a Nigerian president?**
  - A. 3 years
  - B. 4 years ✓
  - C. 5 years
  - D. 6 years
- 16. **Which river is the longest in Nigeria?**
  - A. River Niger ✓
  - B. River Benue
  - C. River Ogun
  - D. River Kaduna
- 17. **Who was the first female speaker of the Nigerian House of Representatives?**
  - A. Stella Oduah

- B. Patricia Etteh ✓
- C. Ngozi Okonjo-Iweala
- D. Dora Akunyili

18. **In which year was the National Youth Service Corps (NYSC) established?**

- A. 1973 ✓
- B. 1970
- C. 1980
- D. 1965

19. **Which Nigerian state has the largest landmass?**

- A. Niger ✓
- B. Lagos
- C. Kano
- D. Kaduna

20. **One of the following is an ex-director general of NAFDAC**

- a) Dr Joshua Dariye
- b) Prof. Eyitayo Lambo
- c) Prof. Olikoye Ransom-Kuti
- d) Dr Dora Akunyili